

FIG. 1

STORAGE MANAGEMENT SERVER

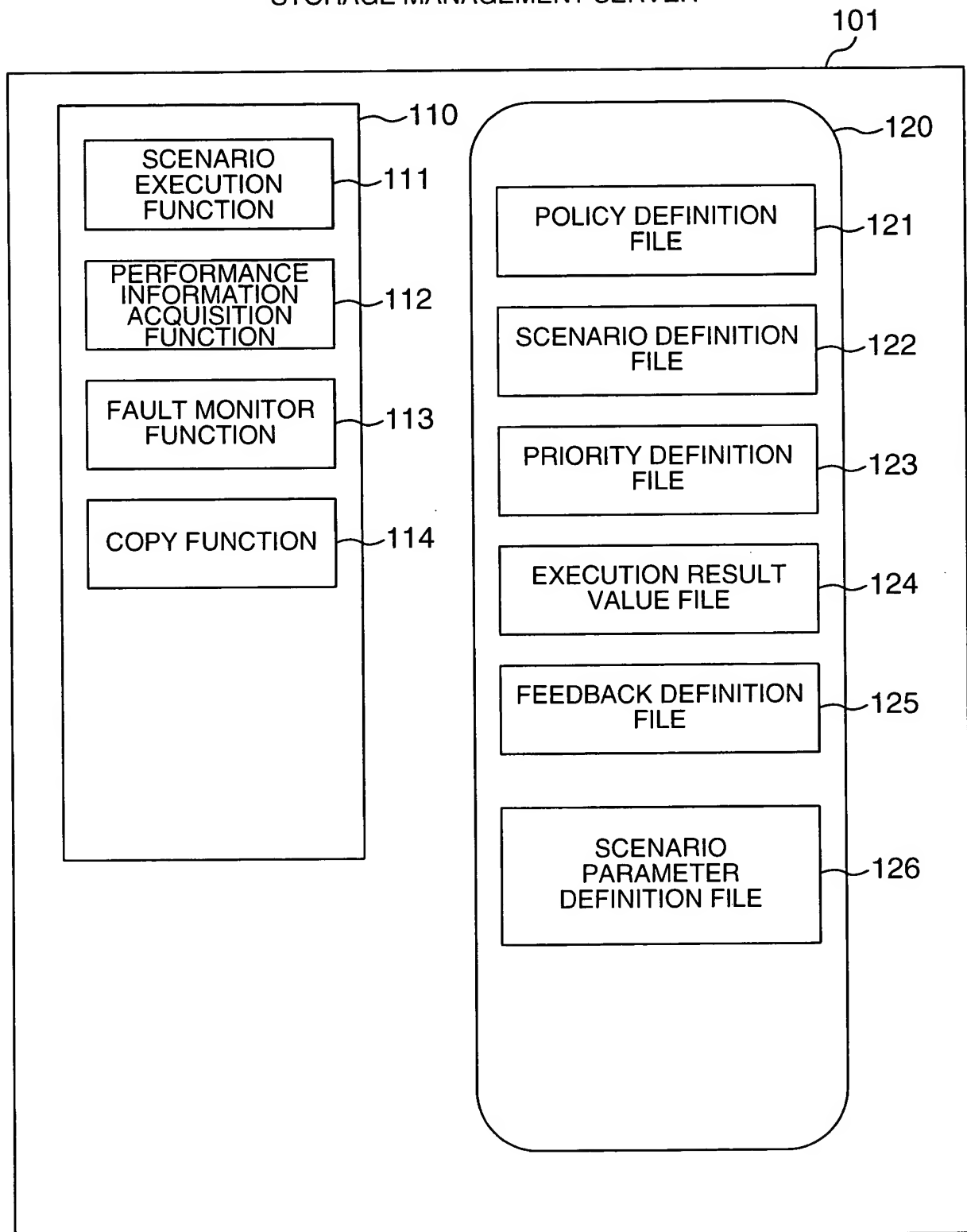


FIG. 2

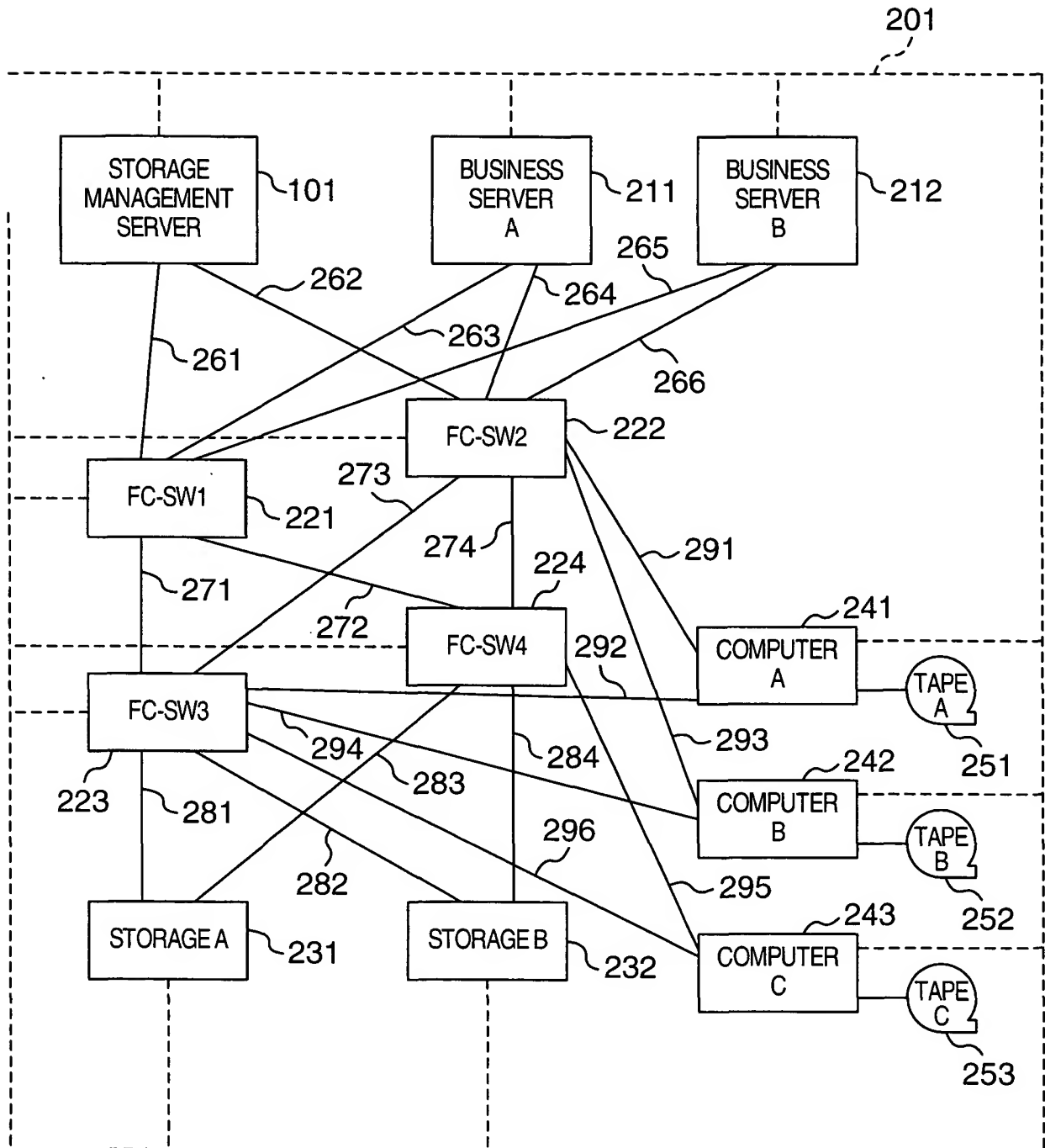


FIG. 3

EXAMPLE OF POLICY DEFINITION FILE

No.	POLICY
1	CREATE QUICK BACKUP COPY
2	CREATE BACKUP COPY AT LOW COST
3	CREATE BACKUP COPY WITH LOW LOAD

FIG. 4

EXAMPLE OF SCENARIO DEFINITION FILE

No.	SCENARIO
1	STORE BACKUP COPY ON TAPE A
2	STORE BACKUP COPY ON TAPE B
3	STORE BACKUP COPY ON TAPE C
4	STORE BACKUP COPY IN STORAGE A
5	STORE BACKUP COPY IN STORAGE B

FIG. 5

PRIORITY DEFINITION FILE

POLICY NO.	SCENARIO PRIORITY (IN ORDER OF SCENARIO NOS.)
1	4 - 5 - 3 - 2 - 1
2	1 - 2 - 3 - 5 - 4
3	3 - 1 - 4 - 5 - 2

FIG. 6

EXAMPLES OF EXECUTION RESULT

EXECUTION RESULT ITEMS	RESULTS
BACKUP TIME ON TAPE A	50 min
BACKUP TIME ON TAPE B	40 min
BACKUP TIME ON TAPE C	30 min
BACKUP TIME ON STORAGE B	5 min
BACKUP TIME ON STORAGE A	21 min
.

FIG. 7

EXAMPLES OF FEEDBACK DEFINITION FILE

CONDITION	FEEDBACK PROCESS
BACKUP TIME OVER 50 min	RAISE SCENARIO PRIORITY 3 LEVELS
BACKUP TIME OVER 30 min	RAISE SCENARIO PRIORITY 2 LEVELS
BACKUP TIME OVER 20 min	RAISE SCENARIO PRIORITY 1 LEVELS
.

FIG. 8

EXAMPLES OF SCENARIO PARAMETER DEFINITION FILE

CONDITION	FEEDBACK PROCESS
FC-SW UTILIZATION OVER 60%	CHANGE FC-SW PATH
FAULT OCCURRED IN FC-SW PORT	CHANGE FC-SW PATH
DISK FREE AREA UNDER 20%	APPEND DISK STORAGE
.

FIG. 9

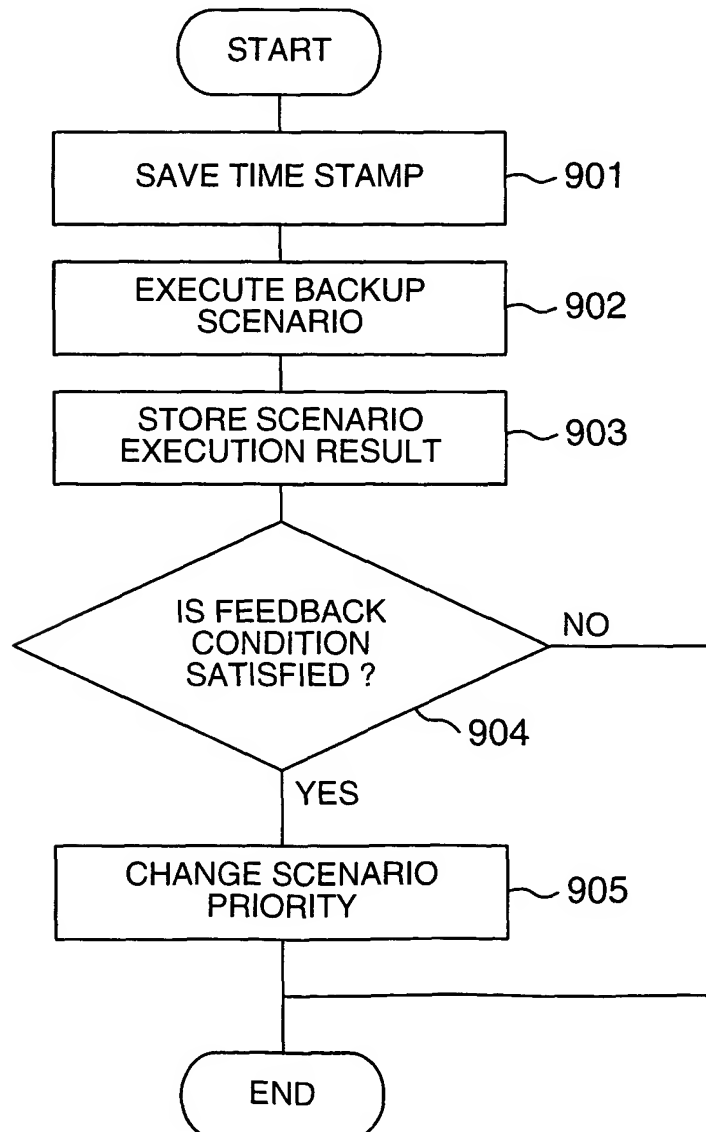
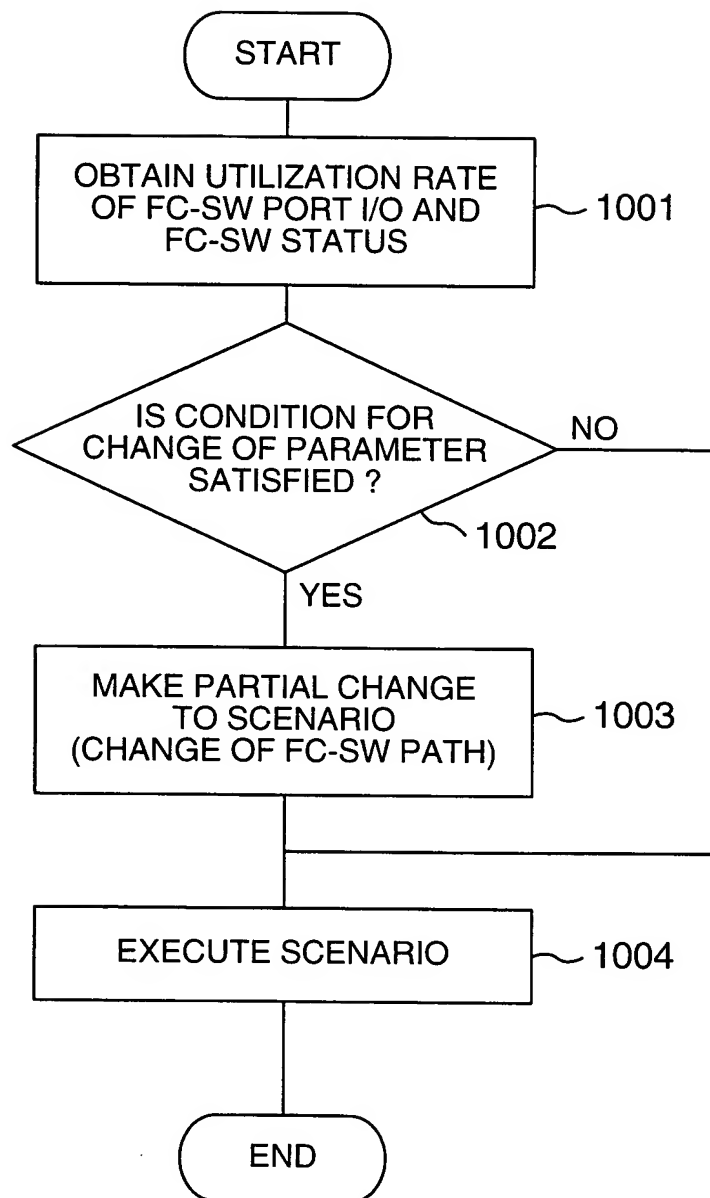


FIG. 10



BUSINESS SERVER A

- TAPE A
- STORAGE A

POLICY LIST

- 2 CREATE BACKUP COPY AT LOW COST

STATE	RESOURCE	SIZE	PRICE
CURRENT	STORAGE A	100G	4321¥
AFTER POLICY IS APPLIED	TAPE A	100G	1234¥

EXECUTE POLICY